

H Series



**UL Recognized
CSA Certified
VDE Approved**

H Series

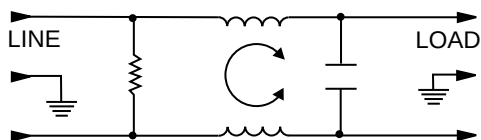
The H series filters were developed specifically for health care applications. These products are suitable for uses in both patient care equipment and non-patient care equipment. Their extremely low leakage current allows compliance with UL2601 and CSA 22.2 health care specifications.

See Appendix C for more information on UL544 health care applications.

The H series features products with a variety of current ratings and case styles. Model 10EH4C additionally incorporates a separate ground circuit inductor to isolate equipment chassis from power line ground at RF frequencies.

Note: When using the models with an IEC connector (e.g. 6EH4), remember that the leakage current of the companion line cord, GA400, is more significant than that of the filter – which may disqualify this line cord from use in patient care applications.

Electrical Schematic



Resistor location for reference only.



Specifications

Maximum leakage current, each line-to-ground

@ 120 VAC 60 Hz:	2μA
@ 250 VAC 50 Hz:	5μA

Hipot rating (one minute):

line-to-ground	2250 VDC
line-to-line	1450 VDC

Operating frequency:

50/60 Hz

Rated voltage (max.):

250 VAC

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	Frequency-MHz					
	.15	.5	1	5	10	30
3A	18	27	30	30	27	18
6A	9	16	20	26	23	18
10A	7	13	15	17	16	14
15A	5	9	11	12	11	9

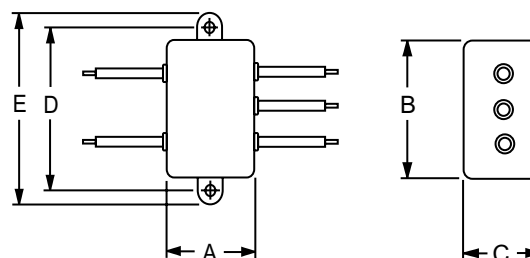
Line Cord

Line Cord No. GA400:

SVT type 7¹/₂ foot, 3-conductor line cord to mate with all models except EH1. 50 micro amps maximum leakage @120 VAC, 60 Hz.

Case Style

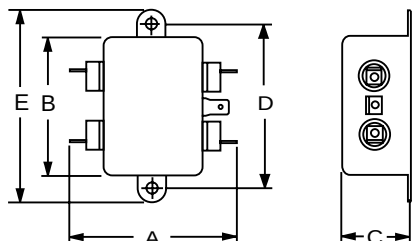
EH3



H Series

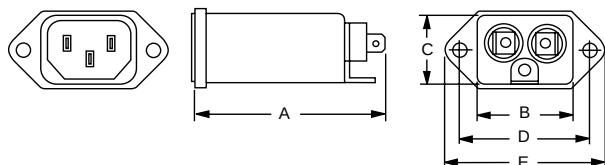
Case Styles

EH1

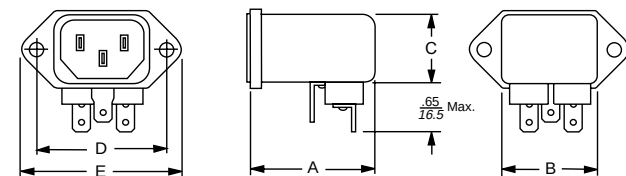


Typical dimensions:
Terminals: .250 [6.35] (5) Holes: .07 [1.8] Dia.(4) Slot: .07 x .16 [1.8 x 4.1]
Mounting holes: .188 [4.78] Dia. (2)

EH4 & EH4C

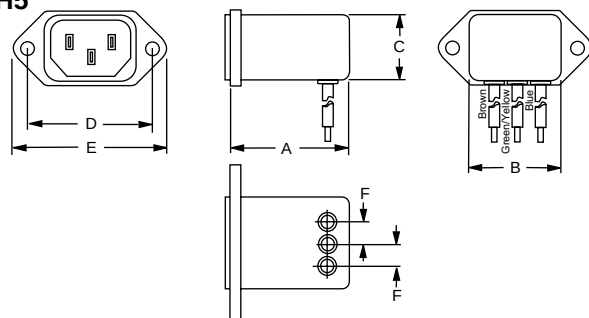


EH9

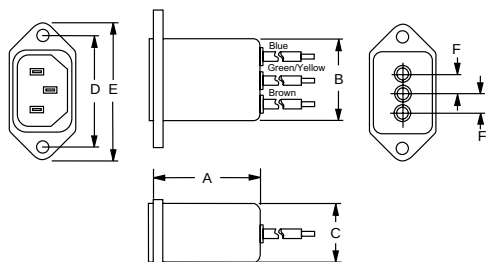


Typical dimensions:
Terminals: .250 [6.35] (3) Holes: .07 [1.8] Dia.(2) Slot: .07 x .16 [1.8 x 4.1]
Mounting holes: .132 [3.35] Dia. (2)

EH5



EH8



Typical dimensions:
Wire leads: 4.0 [101.6] Min. 18 AWG Mounting holes: .132 [3.35] Dia. (2)

Case Dimensions

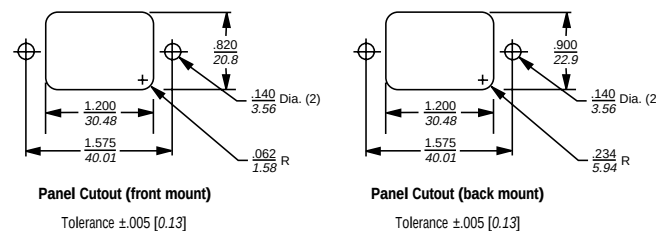
Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)	F (ref)
3EH1	2.25 57.2	1.82 46.1	0.66 16.7	2.125 53.98	2.53 64.2	—
3EH3	.96 24.40	1.82 46.1	0.66 16.7	2.125 53.98	2.53 64.2	—
6EH4	2.20 55.9	1.19 30.2	0.81 20.6	1.575 40.01	1.98 50.3	—
6EH5	1.55 39.4	1.19 30.2	0.85 21.6	1.575 40.01	1.98 50.3	.295 7.5
6EH8	1.56 39.7	1.19 30.2	0.81 20.6	1.575 40.01	1.98 50.3	.295 7.5
6EH9	1.55 39.4	1.19 30.2	0.85 21.6	1.575 40.01	1.98 50.3	—
10EH4	2.62 66.5	1.19 30.2	0.81 20.6	1.575 40.01	1.98 50.3	—
10EH4C	2.62 66.5	1.19 30.2	0.81 20.6	1.575 40.01	1.98 50.3	—
15EH4	2.62 66.5	1.19 30.2	0.81 20.6	1.575 40.01	1.98 50.3	—

Part Numbers

3EH1 3EH3 6EH1 6EH3 6EH4 6EH5	6EH8 6EH9 10EH1 10EH3 10EH4 10EH4C 15EH4*
Line Cord No.	GA400
Insulating Boot No. (EH4, EH4C)	FA601

*UL, CSA — 15A; VDE — 10A

Recommended Panel Cutouts



Note 1: EH4, EH4C and EH8 allow front or back mounting.
Note 2: EH5 and EH9 allow back mounting only.